

## QUESTIONS AND ANSWERS

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## I. FREQUENTLY ASKED QUESTIONS:

### Q1. If I have questions about this funding announcement, who do I contact?

**ANSWER:** Please see the FOA guidance on submitting FOA content questions and response publication. Applicants may submit questions regarding this ARPA-E's Funding Opportunity Announcement (FOA) to [ARPA-E-CO@hq.doe.gov](mailto:ARPA-E-CO@hq.doe.gov). All emails must include the FOA name and number in the subject line. The cover page and Executive Summary of the Funding Opportunity Announcement state the deadlines for submitting questions to [ARPA-E-CO@hq.doe.gov](mailto:ARPA-E-CO@hq.doe.gov).

### Q2. How will I receive a response to questions submitted to [arpa-e-co@hq.doe.gov](mailto:arpa-e-co@hq.doe.gov) about this FOA?

**ANSWER:** Responses are posted in the "Frequently Asked Questions" section of ARPA-E's website. There are general FAQs and a FAQ page for each FOA.

ARPA-E will post responses on a weekly basis to any questions that are received.

ARPA-E will cease to accept questions approximately 5 business days in advance of each submission deadline. Responses to questions received before the cutoff will be posted approximately one business day in advance of the submission deadline. ARPA-E may re-phrase questions or consolidate similar questions for administrative purposes.

### Q3. Will ARPA-E post a response to every question submitted to [arpa-e-co@hq.doe.gov](mailto:arpa-e-co@hq.doe.gov)?

**ANSWER:** No. ARPA-E will only post responses to questions that have not already been addressed by a published FAQ. Also, ARPA-E may consolidate similar questions for administrative purposes.

### Q4. If I have questions about ARPA-E Exchange, who do I contact?

**ANSWER:** Applicants may submit questions regarding ARPA-E's online application portal, ARPA-E eXCHANGE, to [ExchangeHelp@hq.doe.gov](mailto:ExchangeHelp@hq.doe.gov). All emails must include the name and number of the Funding Opportunity Announcement in the subject line.

### Q5. Can I speak or meet with the ARPA-E program director or other ARPA-E personnel about this funding opportunity announcement?

**ANSWER:** No. Upon the issuance of this Funding Opportunity Announcement (FOA), ARPA-E Program Directors and other ARPA-E personnel are prohibited from communicating (in writing or otherwise) with Applicants, or potential Applicants, regarding the FOA. This "quiet period" remains in effect until ARPA-E's public announcement of its project selections. During the "quiet period," Applicants may submit questions regarding the FOA to [ARPA-E-CO@hq.doe.gov](mailto:ARPA-E-CO@hq.doe.gov) with the FOA name and number in the subject line. Applicants may also submit questions regarding ARPA-E's online application portal, ARPA-E eXCHANGE, to [ExchangeHelp@hq.doe.gov](mailto:ExchangeHelp@hq.doe.gov) with the FOA name and number in the subject line. ARPA-E will not accept or respond to communications received by other means (e.g., fax, telephone, mail, hand delivery). Emails sent to other email addresses will be disregarded.

### Q6. Can a person be PI on one proposal and a CO-PI on a second separate proposal?

**ANSWER:** Yes, but the applications must be scientifically distinct from one another.

**Q7. May applicants submit more than one concept paper to this funding opportunity?**

**ANSWER:** Yes, but each Concept Paper submission must be scientifically distinct.

**Q8. I have developed a technology that may be a good fit for this funding opportunity. Will ARPA-E please review the attached project information and let me know if I should make a submission to this funding opportunity?**

**ANSWER:** No. Applicants must review the Technical Requirements of this funding opportunity announcement to determine if their technology warrants a submission to ARPA-E. See e.g. Section I.D ("Technical Categories of Interest") and Section I.F (Applications Specifically Not of Interest) of the FOA.

**II. Questions for week ending: OCTOBER 17, 2014**

**Q9. [A potential applicant] looking for funding to prove out, develop and commercialize a new electrical power generation concept that could be applied either as part of a CHP system or as part of a low-cost solar power generation system. If [a potential applicant] has previously applied for funds for related development, but outside of the FOA scope, are they still eligible to apply for [the GENSETS] FOAs?**

**ANSWER:** The answer to your question depends on the specific facts. Please see Section I.F. "Applications Specifically Not of Interest" of the FOA, in particular the 2nd and 11th bullets. Also of potential relevance: ARPA-E's mission is to accelerate transformational technological advances in areas that industry by itself is not likely to undertake because of technical and financial uncertainty, and to prepare those technologies for commercialization in the marketplace. Therefore, ARPA-E may not fund projects that overlap with prior or current efforts funded by public or private sources.

**III. Questions for week ending: OCTOBER 31, 2014**

**Q10. We are currently developing a \*\*\*\*. I am wondering on whether you would accept proposals for DE-FOA-0001198 on the development of \*\*\*\*. Once we have developed the technology further, we would partner with \*\*\*\*.**

**ANSWER:** ARPA-E will consider concepts that propose to meet or exceed the technical performance targets set forth in Section I.E (Technical Performance Targets) of the FOA and do not fall under Section I.F (Applications Specifically Not of Interest) of the FOA. Applicants must review the technical requirements of the FOA and independently determine whether their proposed concept warrants a submission.

**Q11.A Does the proposal need to have both a prime mover and an electric generator or an innovative design of the electric generator will be sufficient?**

**ANSWER:** The GENSETS FOA is seeking concepts for Combined Heat and Power (CHP) systems that are capable of using natural gas as fuel while producing electricity and heat as outputs with a fuel to electrical efficiency target of 40% (based on lower heating value of natural gas). Applications that fall outside the technical parameters specified in Section I.E of the FOA will be deemed nonresponsive and will not be reviewed or considered. Please see Section I.F (Applications Specifically Not of Interest) of the FOA. In addition, please see Section I.E (Technical Performance Targets), Supplementary Explanation of Targets – Explanation No. 1.2 of the FOA.

**Q11.B Is fault tolerance an important objective in the criteria as well?**

**ANSWER:** Please see Section I.E (Technical Performance Targets) of the FOA.

**Q12.A I just received the announcement of this FOA for 1KW Genset innovation. Has concept paper deadline has passed and can I still submit a Concept Paper?**

**ANSWER:** The deadline to submit Concept Papers is December 1, 2014. Please see the GENSETS Funding Opportunity Announcement on the ARPA-E Funding opportunity Exchange website [HTTP://ARPA-E-FOA.energy.gov](http://arpa-e-foa.energy.gov).

**Q12.B May I present a concept for a GENSET that \*\*\*\*?**

**ANSWER:** ARPA-E will consider concepts that propose to meet or exceed the technical performance targets set forth in Section I.E (Technical Performance Targets) of the FOA and do not fall under Section I.F (Applications Specifically Not of Interest) of the FOA. Applicants must review the technical requirements of the FOA and independently determine whether their proposed concept warrants a submission.

**Q12.C May I discuss anything with the FOA examiner or point person?**

**ANSWER:** Please see the response to Question 5 above.

**IV. Questions for week ending: NOVEMBER 7, 2014**

**Q13. What are the restrictions on the Principal Investigator? Can there be more than 1?**

**ANSWER:** A project may have a Principal Investigator and Co-Principal Investigators.

**Q14. Regarding the opportunity for a device to provide both heating and cooling, in addition to electricity out, how should that cooling option be address in a concept paper response? In our opinion a cooling capability would broaden the market appeal due to the large number of homes that are currently air conditioned.**

**Assuming the device provides 1kW of electricity:**

- **Should the response just focus on heating only?**
- **Is a response stronger with an added cooling capability?**
- **Would cooling capability be viewed negatively?**

**What value does the addition of cooling add to the target cost of \$3,000?**

**ANSWER:** The GENSETS FOA is seeking concepts for Combined Heat and Power (CHP) systems that are capable of using natural gas as fuel while producing electricity and heat as outputs with a fuel to electrical efficiency target of 40% (based on lower heating value of natural gas). Please refer Section I.E. of the FOA for the specific technical targets of the program. Applications that meet or exceed the technical parameters specified in Section I.E of the FOA will be reviewed or considered.

Cooling capability of the CHP system and its cost analysis are not sought under this FOA, however, if included in a Concept Paper will not be viewed negatively as long as the proposed concept for the CHP system meets or exceeds the technical targets in Section I.E. of the FOA.